

Notice of Allowability	Application No.	Applicant(s)	
	09/527,309	WILSON, STEVEN B.	
	Examiner	Art Unit	
	Susan Y. Chen	2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/18/2006.
2. ☒ The allowed claim(s) is/are 28,49 and 51.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

Response to Amendment

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on May 18, 2006 has been entered.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's attorney Paul Mitchell on Aug. 01, 2006.

Amendment:

To the Application received on April 21, 2006 please modify the following:

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Claim 28 (Currently amended): A system for managing a directory of downlevel

published ~~printable~~ objects and removing nonfunctional downlevel published objects, the directory maintained on a computer network, and a directory service for providing access to resources represented by corresponding objects in the directory of published downlevel ~~printable~~ objects, the system comprising:

a pruning module including a module for testing if a specified object, from the directory of published downlevel ~~printable~~ objects, is accessible, a module for determining if the specified object is deleteable, wherein a list of orphaned objects is tested in accordance with a specifiable policy that monitors the specified object to determine if the specified object is orphaned, and a module for testing if software hosting the specified object is republishable ~~capable of republishing the specified object~~, wherein the specifiable policy comprises:

- initializing a print spooler directory services component;

- identifying a machine acting as a domain controller for the specified object;

- determining a site on which the domain controller is running;

- searching a domain associated with the domain controller for the specified object;

- checking a print server site for the specified object;

- verifying that the print server exists, in an instance where the print server exists, comparing a printer identification with an identification of the specified object;

referencing a printer object pruning policy in an instance where a match between the printer identification and the specified object identification is not established;

[[a]] the domain controller hosting the pruning module and the directory of published downlevel objects the domain controller configured to receive user input specifying thread priority for the pruning module; and
a thread for executing the pruning module.

Claim 40 (Cancelled).

49. (Currently amended) A ~~computer-implemented method~~ computer-readable storage media having computer-readable instructions therein that, when executed by a computing device, cause the computing device to perform acts comprising:
obtaining a list of published objects controlled by domain controllers of a computer network, wherein individual published objects contain a globally unique ID and a reference to ~~are intended to contain references and attributes of~~ a logical device;
pruning objects from the list based upon testing with a specified policy comprising:
testing if a specified object from the list is accessible, determining if the specified object is deleteable, and wherein a list of orphaned objects is tested in accordance with a specifiable policy that monitors the specified object to determine if the specified object is orphaned, and testing whether the specified object is republishable, comprising:

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initializing a print spooler directory services component;

identifying a machine acting as the domain controller for the specified object;

determining a site on which the domain controller is running;

searching a domain associated with the domain controller for the specified object;

checking a print server site for the specified object;

verifying that the print server exists, in an instance where the print server exists, comparing a printer identification with an identification of the specified object;

referencing a printer object pruning policy in an instance where a match between the printer identification and the specified object identification is not established;

hosting the pruning module and the directory of published downlevel objects

and receiving user input specifying thread priority for the pruning

~~whether an individual object is orphaned from the logical device, determining if the individual object is deleteable, and ascertaining if software hosting the individual object is capable of republishing the individual object; and,~~

~~assigning said testing, said determining, and said ascertaining thread priorities specified by a user.~~

Claim 50 (Cancelled).

Claim 51 (Currently amended) A computer-implemented method for managing a directory of downlevel published objects and removing nonfunctional downlevel published objects, the method comprising:

- identifying at least one printer object;
- evaluating whether the at least one printer object should be pruned by performing acts comprising:
 - initializing a print spooler directory services component;
 - creating a pruning thread;
 - identifying a machine acting as a domain controller;
 - determining a site on which the domain controller is running;
 - searching a domain associated with the domain controller for the printer object;
 - checking a print server site for the printer object;
 - verifying that the print server exists, in an instance where the print server exists, comparing a printer identification with an identification of the printer object; and,
 - referencing a printer object pruning policy in an instance where a match between the printer identification and the printer object identification is not established.

Claim 52 (Cancelled).

Allowable Subject Matter

Claims 28, 49 and 51 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 28, 49 and 51, are allowable because the prior art on record or that encountered in searching for the invention, fails to disclose or suggest the features of instant invention – a pruning module to track nonfunctional downlevel published objects as described in instant specification page 17, lines 18-23 for either removing the published downlevel objects or republishing the downlevel objects by testing a list of orphaned objects against a specifiable policy to perform the operations in a combination as recited by applicant.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Y. Chen whose telephone number is 571-272-4016. The examiner can normally be reached on Monday - Friday from 7:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Susan Y Chen
Examiner
Art Unit 2161

Aug. 01, 2006



UYEN LE
PRIMARY EXAMINER